

19. Outline the production of non conventional fuel alcohol.
20. Explain about biosensors and microprobes.

APRIL/MAY 2025

**FBT62/CBT62 — ENVIRONMENTAL
BIOTECHNOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks) -

Answer ALL questions.

1. What is Ecosystem?
2. Recall the term ozone.
3. What is flocculation?
4. List the Physical properties of waste water.
5. What are Xenobiotics?
6. Name the organism involved in copper mining.
7. What are non conventional fuels?
8. Define bioaugmentation.



9. What is TOL?
10. List the impact of GEM in the environment.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.



11. (a) Examine about energy flow.
- Or
- (b) Summarize about green house gases and its effect.

12. (a) Outline the chemical characteristics of waste water.

Or

- (b) Examine about water borne diseases.
13. (a) Explain the steps involved in iron mining.

Or

- (b) Analyze on hazardous waste management.

14. (a) Discuss the role of microorganisms in petroleum recovery.

Or

- (b) Explain the production of methane.

15. (a) List the role of GEM in degradation of industrial pollutants.

Or

- (b) Examine about degradative plasmids.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate on water and air pollution.
17. Elaborate the steps involved in the waste water treatment.
18. Discuss the biodegradation of Xenobiotics.